AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A sound field correcting method in an audio system, for supplying audio signals to a first sound generating means having a first reproducing frequency band and a second reproducing frequency band and a second sound generating means having the second reproducing frequency band respectively to reproduce thereof,

said correcting method comprising:

a first step of supplying a noise to said first sound generating means and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the second reproducing frequency band, that are reproduced by said first sound generating means;

a second step of supplying the noise to said second sound generating means and then detecting the reproduced sound in the second reproducing frequency band; and

a third step of adjusting levels of the audio signals supplied to said first sound generating means and said second sound generating means such that a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generating means and detected by the first step and a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said second sound generating means and detected by the second step and a spectrum average level of the reproduced sound in

the first reproducing frequency band detected by the first step are set equal to a ratio of predetermined target characteristics.

2. (original): A sound field correcting method in an audio system, for supplying audio signals to a first sound generating means having a first reproducing frequency band and a second reproducing frequency band and a second sound generating means having the second reproducing frequency band respectively to reproduce thereof,

said correcting method comprising:

a first step of supplying a noise to said first sound generating means and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the second reproducing frequency band, that are reproduced by said first sound generating means;

a second step of supplying the noise to said second sound generating means and then detecting the reproduced sound in the second reproducing frequency band; and

a third step of adjusting levels of the audio signals supplied to said first sound generating means and said second sound generating means such that a ratio of a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generating means and detected by the first step and a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said second sound generating means and detected by the second step to a spectrum average level of the reproduced sound in the first reproducing frequency band detected by the first step is set equal to a predetermined value.

3. (original): The sound field correcting method in an audio system, according to claim 1 or 2, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and

the second reproducing frequency band is substantially equal to a low frequency band.

4. (original): The sound field correcting method in an audio system, according to claim 1, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and

a the second reproducing frequency band is substantially equal to a high frequency band.

5. (new): A sound field correcting method in an audio system which supplies audio signals to a first sound generator having a first reproducing frequency band and a second reproducing frequency band and to a second sound generator having the second reproducing frequency band, said correcting method comprising:

a first step of supplying a noise to said first sound generator and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the second reproducing frequency band, that are reproduced by said first sound generator;

a second step of supplying the noise to said second sound generator and then detecting the reproduced sound in the second reproducing frequency band; and

a third step of adjusting levels of the audio signals supplied to said first sound generator and said second sound generator such that a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generator and detected by the first step and a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said second sound generator and detected by the second step and a spectrum average level of the reproduced sound in the first reproducing frequency band detected by the first step are set equal to a ratio of predetermined target characteristics.

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6. (new): A sound field correcting method in an audio system which supplies audio signals to a first sound generator having a first reproducing frequency band and a second reproducing frequency band and to a second sound generator having the second reproducing frequency band, said correcting method comprising:

a first step of supplying a noise to said first sound generator and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the second reproducing frequency band, that are reproduced by said first sound generator;

a second step of supplying the noise to said second sound generator and then detecting the reproduced sound in the second reproducing frequency band; and

a third step of adjusting levels of the audio signals supplied to said first sound generator and said second sound generator such that a ratio of a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generator and detected by the first step and a spectrum average level of the reproduced sound in

the second reproducing frequency band reproduced by said second sound generator and detected by the second step to a spectrum average level of the reproduced sound in the first reproducing frequency band detected by the first step is set equal to a predetermined value.

7. (new): The sound field correcting method in an audio system, according to claim 5, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and

the second reproducing frequency band is substantially equal to a low frequency band.

8. (new): The sound field correcting method in an audio system, according to claim 5, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and

the second reproducing frequency band is substantially equal to a high frequency band.

9. (new): The sound field correcting method in an audio system, according to claim 6, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and

the second reproducing frequency band is substantially equal to a low frequency band.

10. (new): A sound field correcting method, comprising:

detecting a first reproduced sound and a second reproduced sound from a first speaker, wherein the first reproduced sound is in a first frequency band and the second reproduced sound is in a second frequency band;

detecting a third reproduced sound from a second speaker, wherein the third reproduced sound is in the second frequency band; and

adjusting first audio signals supplied to said first speaker and second audio signals supplied to the second speaker such that a sum of a spectrum average level of the second reproduced sound, a spectrum average level of the third reproduced sound, and a spectrum average level of the first reproduced sound are set equal to a ratio of predetermined target characteristics.

11. (new): A sound field correcting method, comprising:

detecting a first reproduced sound and a second reproduced sound from a first speaker, wherein the first reproduced sound is in a first frequency band and the second reproduced sound is in a second frequency band;

detecting a third reproduced sound from a second speaker, wherein the third reproduced sound is in the second frequency band; and

adjusting first audio signals supplied to said first speaker and second audio signals supplied to said second speaker such that a ratio of (1) a sum of a spectrum average level of the second reproduced sound and a spectrum average level of the third reproduced sound (2) to a spectrum average level of the first reproduced sound is set equal to a predetermined value.

12. (new): The method according to claim 10, wherein the first frequency band is substantially equal to an audio frequency band, and

wherein the second frequency band is substantially equal to a low frequency band.

13. (new): The method according to claim 11, wherein the first frequency band is substantially equal to an audio frequency band, and

wherein the second frequency band is substantially equal to a low frequency band.

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14. (new): The method according to claim 10, wherein the first frequency band is substantially equal to an audio frequency band, and

the second frequency band is substantially equal to a high frequency band.

15. (new): A sound field corrector, comprising:

a detection circuit that detects a first reproduced sound, a second reproduced sound, and a third reproduced sound,

wherein the first reproduced sound is in a first frequency band, the second reproduced sound is in a second frequency band, and the third reproduced sound is in the second frequency band, and

wherein a first speaker outputs the first reproduced sound and the second reproduced sound and a second speaker outputs the third reproduced sound; and

a control circuit that adjusts first audio signals supplied to said first speaker and second audio signals supplied to the second speaker such that a sum of a spectrum average level of the

second reproduced sound, a spectrum average level of the third reproduced sound, and a spectrum average level of the first reproduced sound are set equal to a ratio of predetermined target characteristics.

16. (new): A sound field corrector, comprising:

a detection circuit that detects a first reproduced sound, a second reproduced sound, and a third reproduced sound,

wherein the first reproduced sound is in a first frequency band, the second reproduced sound is in a second frequency band, and the third reproduced sound is in the second frequency band, and

wherein a first speaker outputs the first reproduced sound and the second reproduced sound and a second speaker outputs the third reproduced sound; and

a control circuit that adjusts first audio signals supplied to said first speaker and second audio signals supplied to said second speaker such that a ratio of (1) a sum of a spectrum average level of the second reproduced sound and a spectrum average level of the third reproduced sound (2) to a spectrum average level of the first reproduced sound is set equal to a predetermined value.

17. (new): The corrector according to claim 15, wherein the first frequency band is substantially equal to an audio frequency band, and

wherein the second frequency band is substantially equal to a low frequency band.

18. (new): The corrector according to claim 16, wherein the first frequency band is substantially equal to an audio frequency band, and

a wherein the second frequency band is substantially equal to a low frequency band.

19. (new): The corrector according to claim 15, wherein the first frequency band is substantially equal to an audio frequency band, and

the second frequency band is substantially equal to a high frequency band.